

Notice of Allowability

Application No.

10/612,787

Examiner

Thoi V. Duong

Applicant(s)

ISHIWA, MASARU

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed December 19, 2005.
2. ☒ The allowed claim(s) is/are 1-4.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. This office action is in response to the Amendment filed December 19, 2005.

Accordingly, claims 5-9 were cancelled and claims 1-4 are currently pending in this application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

In the title: change the title as "Liquid crystal display device comprising a unit cover with bonded flexible cable."

Allowable Subject Matter

3. Claims 1-4 are allowed.

The following is an examiner's statement of reasons for allowance: none of the prior art of record fairly suggests or shows all of the limitations as claimed. Specifically,

Re claim 1, none of the prior art of record discloses, in combination with other limitations as claimed, a liquid crystal device comprising a unit cover accommodating the liquid crystal panel and the illuminating device,

wherein said unit cover comprises a lower cover and an upper cover coupled to each other, said lower cover having a lower wall supporting said one of the substrates, a side wall provided on one side of said lower wall, and a wall part bent from said side wall, the upper cover having an upper wall, a side wall provided on one side of said

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upper wall, and a wall part bent from said side wall and opposed to the wall part of said lower cover, and

wherein the flexible cable extends between said wall part of the lower cover and said wall part of the upper cover from the inside to the outside of said unit cover, said flexible cable extending substantially parallel to said one of the substrates where said flexible cable is bonded to said one of the substrates and between the wall part of the lower cover and said wall part of the upper cover, and is interposed between, and held by, said wall part of the lower cover and said wall part of the upper cover.

The most relevant reference, USPN 5,835,179 to Yamanaka, fails to disclose or suggest a lower cover comprising a wall part bent from its side wall and an upper cover comprising a wall part bent from its side wall and opposed to the wall part of said lower cover. As shown in Fig. 4, Yamanaka discloses a unit cover comprising a lower cover M2 and an upper cover M1 coupled to each other, said lower cover M2 having a lower wall supporting one of the substrates and a side wall (vertical portion) provided on one side of said lower wall; the upper cover M1 having an upper wall and a side wall (vertical portion) provided on one side of said upper wall,

wherein the flexible cable F extends between the ends of the side walls of the lower cover M2 and the upper cover M1 from the inside to the outside of said unit cover, said flexible cable extending substantially parallel to said one of the substrates 2 and 3 where said flexible cable F is bonded to said one of the substrates 2 and 3 and between the ends of the side walls of the lower cover and the upper cover, and is interposed

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between, and held by, the end of said side wall of the lower cover M2 and the end of said side wall of the upper cover M1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

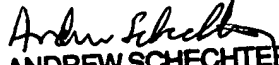
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached at (571) 272-2293.

Thoi Duong



12/30/2005


ANDREW SCHECHTER
PRIMARY EXAMINER